

### Amendments to the claims

1. (currently amended) A burnt refractory ceramic product with the following mineralogical phases:

~~1.1~~ a) 70-98% by weight of a stoichiometric  $\text{MgO-Al}_2\text{O}_3$  spinel,

~~1.2~~ b) 1-15% by weight of forsterite,

~~1.3~~ c) 1-15% by weight of periclase,

~~1.4~~ d) Up to 10% by weight of other,

wherein the total is 100% by weight.

2. (currently amended) The product according to Claim 1, with the following mineralogical phases:

~~2.1~~ e) 70-97% by weight of a stoichiometric  $\text{MgO-Al}_2\text{O}_3$  spinel,

~~2.2~~ f) 1-10% by weight of forsterite,

~~2.3~~ g) 1-10% by weight of periclase,

~~2.4~~ h) 1-10% by weight of  $\text{ZrO}_2$  and/or at least one Ca-Al oxide phase,

wherein the total is 100% by weight.

3. (previously presented) The product according to Claim 1, with a density  $> 3.35 \text{ g/cm}^3$ .

4-9. (canceled)